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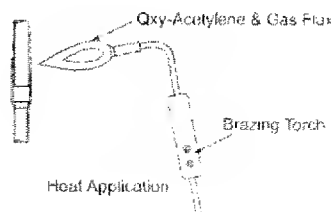
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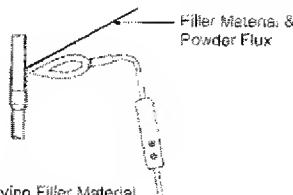
(54) Title: COOLING APPARATUS COMPRISING METAL TUBES CONNECTED THROUGH SOLDERED LAP JOINTS



Tubes Assembled Prior to
Heat Application



Heat Application



Applying Filler Material

(57) Abstract: A cooling apparatus, e.g. a refrigerator or a freezer, comprises an insulated chiller or freezer box, accessible by a door, and means for cooling the interior of the box, said means comprising a heat exchanger including a tube evaporator system, wherein a first part of the system is located inside of the box and a second part of which is located outside of the box, wherein said system comprises a plurality of tubes connected to provide a pathway for a refrigerant which in use is circulated between said first part and said second part of said system. The metal tubes of the system which in use contact refrigerant which is at a temperature of 0 °C or less are connected by lap joints sealed in a gas tight manner by a solder which a) has a melting temperature of from -80 to 300 °C and/or b) is a tin solder.